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1 What is claimed is :

2 1. A cylindrical straight slab type gas laser comprising :

3 a pair of cylindrical electrodes of different diameter disposed concentrically by way of spacers to fill
4 the gap between the cylindrical electrodes with laser medium to define a straight slab,

5 a ring-shaped trick mirror disposed at one end of the straight slab,

6 an output mirror disposed at the center of the one end of the straight slab in such a manner to pass a
7 part of the light and to reflect a part of the remaining light, and

8 a w-axicon mirror disposed at the other end of the straight slab,

9 characterized in that the relationship between the center offset X_m and the center position of the trick
10 mirror is set to $X_m \leq 1.1 X_0$.

11 2. A cylindrical straight slab type gas laser of claim 1, wherein the output laser beam from the output
12 mirror has substantially Gaussian distribution when it is focused by the lens.

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